Certificate of Analysis for NR-58890

Trichomonas vaginalis, Strain NYCA04

Catalog No. NR-58890

Product Description:

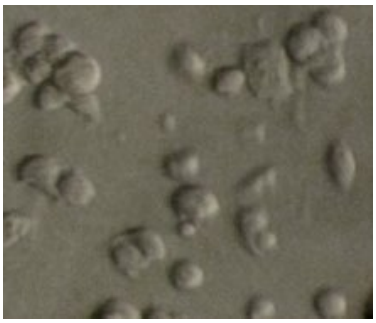
Trichomonas vaginalis (T. vaginalis) was isolated in 2008 from a human with symptomatic trichomoniasis in Brooklyn, New York, USA. Strain NYCA04 was deposited to BEI Resources as a genotype type 1 strain sensitive to metronidazole and positive for the *T. vaginalis* virus (TVV). NR-58890 was produced by cultivation of the deposited material in modified Trypticase – Yeast – Maltose (TYM) Basal medium supplemented with 10% heat-inactivated horse serum (HIHS) and 0.71% iron for 2 days at 35°C in a microaerophilic atmosphere to produce this lot.

Lot: 70064549 **Manufacturing Date: 08NOV2023**

TEST	SPECIFICATIONS	RESULTS
Cell Morphology[1] 2 days at 35°C in a microaerophilic atmosphere in modified TYM medium supplemented with 10% HIHS and 0.71% iron	Report results	Ovoid-to-round in clumps, motile and refractive; overall granular appearance (Figure 1)
Genotypic Analysis[2] Sequencing of 18S ribosomal RNA gene (~ 880 base pairs)	≥ 99% sequence identity to *T. vaginalis*, strain G3 (GenBank: AAHC03000010.1)	99.4% sequence identity to *T. vaginalis*, strain G3 (GenBank: AAHC03000010.1)
Viable Cell Count by Hemacytometry[1]	> 10^6 cells/mL	4.9 × 10^6 cells/mL
Viability[1] 2 days at 35°C in a microaerophilic atmosphere in modified TYM medium supplemented with 10% HIHS and 0.71% iron	Growth	Growth
Sterility (21-day incubation)[1]		
Harpo's HTYE broth, 37°C and 26°C, aerobic[3]	No growth	No growth
Trypticase soy broth, 37°C and 26°C, aerobic	No growth	No growth
Sabouraud broth, 37°C and 26°C, aerobic	No growth	No growth
DMEM with 10% FBS, 37°C, aerobic	No growth	No growth
Sheep blood agar, 37°C, aerobic	No growth	No growth
Sheep blood agar, 37°C, anaerobic	No growth	No growth
Thioglycollate broth, 37°C, anaerobic	No growth	No growth

[1]Testing completed on vialed, post-freeze material.
[2]Testing completed on bulk material prior to vialing and freezing.
[3]Atlas, Ronald M. Handbook of Microbiological Media. 3rd ed. Ed. Lawrence C. Parks. Boca Raton: CRC Press, 2004, p. 798.

Figure 1: Colony Morphology



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/Sonia Bjorum Brower/
Sonia Bjorum Brower 24 JUL 2024
Technical Manager or designee, ATCC Federal Solutions

ATCC®, on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected to the tests and procedures specified and that the results described, along with any other data provided in this certificate, are true and accurate to the best of ATCC®'s knowledge.

Support Provided by NIAID

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